



## Wythe County and the Towns of Rural Retreat and Wytheville

### Water Source Overview

Major sources include Boiling and White springs, Reed Creek, and groundwater wells.

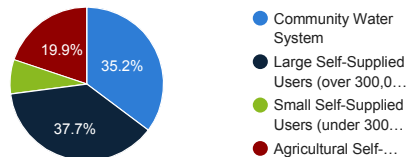
**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Wythe County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	3.501	3.501
Large Self-Supplied Users (over 300,000 gal/month)	3.743	3.743
Small Self-Supplied Users (under 300,000 gal/month)	0.716	0.716
Agricultural Self-Supplied Users	1.973	1.973

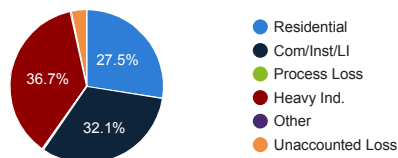
### Water Use by System Type

Approximately 9,456 people use private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

**\*Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



**\*Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



**\*Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Wythe County in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
2.13	7.81	2.13	7.81

**\*Figure 3:** Wythe County highlighted in the Commonwealth of Virginia



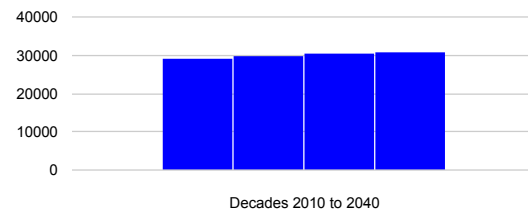
### Projected Water Demand

Regional population is projected to increase slightly through 2040. Ewater sources are expected to meet projected demands during this planning period. The region's plan included alternatives, should there be a shortfall of municipal supply, which include: maintaining, increasing, or initiating supply interconnections with neighboring localities, infrastructure upgrades, groundwater source development, increasing permitted surface water withdrawals, upgrading current VDH permitted capacities, and continuing existing water conservation policies or developing new ones.

**\*Table 3:** Wythe County population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

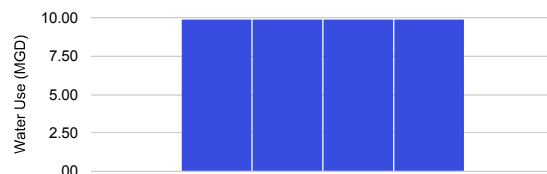
2010	2020	2030	2040	% Change (2010-2040)
29,235	30,030	30,581	31,035	6.9%

**\*Figure 4:** Wythe County population projections by decade for 2010, 2020, 2030 & 2040



**\*Table 4 & Figure 5:** Wythe County water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
9.93	9.93	9.93	9.93	-0.0%



### Drought Management Practices

The County and Towns adopted ordinances for the implementation and enforcement of the Drought Response and Contingency Plan. (Southwest Virginia Regional WSP)